

CLAIMS

1. A server type content delivery system, comprising:

a content delivery server that delivers broadcast contents consisting of a data stream constituting a broadcast program, control information for tuning, and program information; and

a content receiving client that receives the data stream constituting a broadcast program, the control information for tuning, and the program information and reproduces the broadcast contents after temporarily storing the broadcast contents, characterized in that

the delivery server delivers the broadcast contents with control information concerning copyright protection for contents inserted in a section of the control information for tuning or the program information, and

the content receiving client controls a reproduction operation or a recording reservation processing operation for the stored contents in accordance with the control information concerning copyright protection for contents inserted in the section of the control information for tuning or the program information.

2. A content delivery system according to claim 1, characterized in that

it is possible to include control information concerning

copying of broadcast contents and reproduction control information concerning stored broadcast contents in the control information concerning copyright protection for contents, and

the reproduction control information includes the number of times of reproduction of contents, restriction of display resolution at the time of reproduction of contents, and an expiration date of content reproduction.

3. A content delivery system according to claim 2, characterized in that

in the case in which the reproduction control information concerning stored broadcast contents is included in the section of the control information for tuning or the program information, the receiving client controls a reproduction operation or a recording reservation operation for contents on the basis of the number of times of reproduction of contents, the restriction of display resolution at the time of reproduction of contents, and the expiration date of content reproduction described in the reproduction control information.

4. A content delivery system according to claim 2, characterized in that

in the case in which the reproduction control information concerning stored broadcast contents is not included in the section of the control information for tuning or the program information, the receiving client controls a reproduction operation or a recording reservation operation for contents

on the basis of recording control data for managing a copy generation of contents described in the control information concerning copying of broadcast contents.

5. A content delivery apparatus in server type broadcasting, comprising:

means that stores a data stream constituting a broadcast program;

means that generates control information for tuning concerning the broadcast program and program information; and

means that transmits broadcast contents consisting of the data stream constituting the broadcast program, the control information for tuning, and the program information, characterized in that

the generation means inserts control information concerning copyright protection for contents in sections of the control information for tuning or the program information, or the transmission means inserts control information concerning copyright protection for contents in sections of the control information for tuning or the program information and transmits the control information.

6. A content delivery apparatus according to claim 5, characterized in that

it is possible to include control information concerning copying of broadcast contents and reproduction control information concerning stored broadcast contents in the control

information concerning copyright protection for contents, and the reproduction control information includes the number of times of reproduction of contents, restriction of display resolution at the time of reproduction of contents, and an expiration date of content reproduction.

7. A content recording and reproduction apparatus that receives and reproduces broadcast contents in server type broadcasting, comprising:

reception means that receives broadcast contents consisting of a data stream constituting a broadcast program, control information for tuning, and program information;

storage means that stores the received broadcast contents; and

reproduction means that reproduces contents stored in the storage means, characterized in that

the storage means controls a recording reservation processing operation for contents in accordance with control information concerning copyright protection for contents inserted in sections of the control information for tuning or the program information, or the reproduction means controls a reproduction processing operation for stored contents in accordance with control information concerning copyright protection for contents inserted in sections of the control information for tuning or the program information.

8. A content recording and reproduction apparatus according

to claim 7, characterized in that

it is possible to include control information concerning copying of broadcast contents and reproduction control information concerning stored broadcast contents in the control information concerning copyright protection for contents, and

the reproduction control information includes the number of times of reproduction of contents, restriction of display resolution at the time of reproduction of contents, and an expiration date of content reproduction.

9. A content recording and reproduction apparatus according to claim 8, characterized in that

in the case in which the reproduction control information concerning stored broadcast contents is included in the section of the control information for tuning or the program information, the storage means controls a recording reservation operation for contents on the basis of the number of times of reproduction of contents, the restriction of display resolution at the time of reproduction of contents, and the expiration date of content reproduction described in the reproduction control information, or the reproduction means controls a reproduction processing operation on the basis of the number of times of reproduction of contents, the restriction of display resolution at the time of reproduction of contents, and the expiration date of content reproduction described in the reproduction control information.

10. A content recording and reproduction apparatus according to claim 8, characterized in that

in the case in which the reproduction control information concerning stored broadcast contents is not included in the section of the control information for tuning or the program information, the storage means controls a recording reservation operation for contents on the basis of recording control data for managing a copy generation of contents described in the control information concerning copying of broadcast contents, or the reproduction means controls a reproduction operation on the basis of recording control data for managing a copy generation of contents described in the control information concerning copying of broadcast contents.

11. A content recording and reproduction method of receiving and reproducing broadcast contents in server type broadcasting, comprising:

a reception step of receiving broadcast contents consisting of a data stream constituting a broadcast program, control information for tuning, and program information;

a storage step of storing the received broadcast contents;  
and

a reproduction step of reproducing the contents stored in the storage step, characterized in that

in the storage step, a recording reservation processing operation for contents is controlled in accordance with control

information concerning copyright protection for contents inserted in a section of the control information for tuning or the program information or, in the reproduction step, a reproduction processing operation for the stored contents is controlled in accordance with control information concerning copyright protection for contents inserted in the section of the control information for tuning or the program information.

12. A content recording and reproduction method according to claim 11, characterized in that

it is possible to include control information concerning copying of broadcast contents and reproduction control information concerning stored broadcast contents in the control information concerning copyright protection for contents, and

the reproduction control information includes the number of times of reproduction of contents, restriction of display resolution at the time of reproduction of contents, and an expiration date of content reproduction.

13. A content recording and reproduction method according to claim 12, characterized in that

in the case in which the reproduction control information concerning stored broadcast contents is included in the section of the control information for tuning or the program information, in the storage step, a recording reservation operation for contents is controlled on the basis of the number of times of reproduction of contents, the restriction of display resolution

at the time of reproduction of contents, and the expiration date of content reproduction described in the reproduction control information or, in the reproduction step, a reproduction processing operation is controlled on the basis of the number of times of reproduction of contents, the restriction of display resolution at the time of reproduction of contents, and the expiration date of content reproduction described in the reproduction control information.

14. A content recording and reproduction method according to claim 12, characterized in that

in the case in which the reproduction control information concerning stored broadcast contents is not included in the section of the control information for tuning or the program information, in the storage step, a recording reservation operation for contents is controlled on the basis of recording control data for managing a copy generation of contents described in the control information concerning copying of broadcast contents or, in the reproduction step, a reproduction operation is controlled on the basis of recording control data for managing a copy generation of contents described in the control information concerning copying of broadcast contents.

15. A computer program that is described in a computer readable format so as to execute processing for receiving and reproducing broadcast contents in server type broadcasting on a computer system, comprising:



a reception step of receiving broadcast contents consisting of a data stream constituting a broadcast program, control information for tuning, and program information;

a storage step of storing the received broadcast contents; and

a reproduction step of reproducing the contents stored in the storage step, characterized in that

in the storage step, a recording reservation processing operation for contents is controlled in accordance with control information concerning copyright protection for contents inserted in a section of the control information for tuning or the program information or, in the reproduction step, a reproduction processing operation for the stored contents is controlled in accordance with control information concerning copyright protection for contents inserted in the section of the control information for tuning or the program information.